



niroklar[®] Clean S

Acidic Detergent for milking and milk cooling systems

Liquid concentrate

Fields of application:

- Automated and manual acidic contrast cleaning of milking and milk-cooling systems, lines and milk tanks

Performance spectrum:

niroklar Clean S is an acidic cleaning agent with the following properties:

- Reliably removes limescale and milkstone
- Free of surfactants
- Suitable for stainless steel, aluminium, rubber and acid-resistant plastics and seals
- Not suitable for galvanised materials

Application and Dosage:

- For optimum results, milking systems should be cleaned as follows after every use and so should milk-collection containers, cooling tanks and milk containers after every time they are emptied:
 - Pre-rinsing with cold to lukewarm water.
 - Cleaning with a 0.5 per cent by weight niroklar Clean S application solution (e.g. 41 ml per 10 l of water) at temperatures of 40 to 60 °C and a circulation time of 10 to 20 min.
- For optimal cleaning results, we recommend daily alkaline cleaning with neomoscan Clean A: in the mornings alkaline with neomoscan Clean A, in the evenings acidic with niroklar Clean S
- niroklar Clean S must not be mixed with active chlorine-containing cleaning solutions

- Acidic and/or oxidative detergents and disinfectants must not be used for long-term use due to the risk of pitting corrosion of stainless steel. The formation of pitting corrosion is facilitated by high chloride amounts in the water, high temperatures and still solutions
- When using niroklar Clean S the items to be washed, the cleaning system and the drain pipes must be acid-compatible

General notes on application:

- For professional use only.
- In order to avoid product residues, rinse surfaces with drinking water, especially those that come in contact with food, after each cleaning and disinfection measure.
- Do not mix with other products.
- Rinse out dosing system including suction hose with water before changing product.
- Only dose from the original container.
- Do not use as a concentrate – only as a working solution.
- Please observe the operating instructions given by the manufacturer of the system/device.
- The instructions given by the manufacturer of the milking and milk cooling systems are to be observed.
- The weigomatic dosing systems resp. neomatik dosing devices by Dr. Weigert enable controlled, safe and economical application. We are a specialist company in accordance with the German Water Conservation Act (Wasserhaushaltsgesetz, WHG). Suited to the individual conditions and requirements we plan, install and maintain central and distributed dosing systems.

Determining concentration:

After adding one to two drops phenolphthalein solution, 10 ml of niroklar Clean S- solution is titrated with 0.1 N caustic soda (NaOH) until the colour changes from colourless to red

ml of 0.1 N NaOH used x 0.18 = %
(w/w) niroklar Clean S

Technical data:

Appearance	clear, colourless liquid
pH-value	approx 1 (1% in deionised water, 20 °C)
Density	approx. 1.2 g/cm ³ (20 °C)
p-value	approx. - 22 (ml of 0.1 N NaOH used in titration of 400 mg of concentrate against phenolphthalein)

The product specification may contain deviating test parameters. This specification can be obtained on request.

Ingredients:

Ingredients according to Regulation (EC) No 648/2004 on detergents:


< 5 % phosphonates, polycarboxylates

15–30% phosphates

Storage information:

Always store at a temperature between -20 °C and 30 °C.

Usable for 2 years when stored as recommended.

For expiry date refer to the stamp mark on the label behind the hourglass symbol .

Changes in the colour of the product may occur when storing in factory-sealed trade units. This has no impact on the properties of the product which are relevant for application.

Hazard and precautionary statements:

For safety information see Safety Data Sheets. These are available at www.drweigert.com under the category "Service/Downloads".

If applied according to the instructions for use the product is safe according to the appropriate guidelines for food processing.

Dispose only when container is empty and closed. For disposal of product residues, refer to the Safety Data Sheet.

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